

# Karen S Baker

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8635169/publications.pdf>

Version: 2024-02-01

30  
papers

2,322  
citations

430442

18  
h-index

580395

25  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1637  
citing authors

#	ARTICLE	IF	CITATIONS
1	PENETRATION OF UVâ€B AND BIOLOGICALLY EFFECTIVE DOSEâ€RATES IN NATURAL WATERS*. Photochemistry and Photobiology, 1979, 29, 311-323.	1.3	332
2	The bioâ€optical state of ocean waters and remote sensing 1. Limnology and Oceanography, 1978, 23, 247-259.	1.6	280
3	Optical classification of natural waters 1. Limnology and Oceanography, 1978, 23, 260-267.	1.6	206
4	Big Science and Big Data in Biology: From the International Geophysical Year through the International Biological Program to the Long Term Ecological Research (LTER) Network, 1957â€Present. Historical Studies in the Natural Sciences, 2010, 40, 183-224.	0.3	191
5	Infrastructure Time: Long-term Matters in Collaborative Development. Computer Supported Cooperative Work, 2010, 19, 377-415.	1.9	190
6	Bioâ€optical classification and model of natural waters. 21. Limnology and Oceanography, 1982, 27, 500-509.	1.6	188
7	PHOTOINHIBITION OF PHOTOSYNTHESIS IN NATURAL WATERS*. Photochemistry and Photobiology, 1980, 31, 585-592.	1.3	174
8	Enriching the Notion of Data Curation in E-Science: Data Managing and Information Infrastructuring in the Long Term Ecological Research (LTER) Network. Computer Supported Cooperative Work, 2006, 15, 321-358.	1.9	129
9	Growth limitation in young Euphausia superba under field conditions. Limnology and Oceanography, 2000, 45, 31-43.	1.6	122
10	MIDDLE ULTRAVIOLET RADIATION REACHING THE OCEAN SURFACE*. Photochemistry and Photobiology, 1980, 32, 367-374.	1.3	78
11	Evolution of a Multisite Network Information System: The LTER Information Management Paradigm. BioScience, 2000, 50, 963.	2.2	54
12	Digital Data Practices and the Long Term Ecological Research Program Growing Global. International Journal of Digital Curation, 2008, 3, 42-58.	0.1	50
13	Data Stewardship: Environmental Data Curation and a Web-of-Repositories. International Journal of Digital Curation, 2009, 4, 12-27.	0.1	47
14	Who are the users? Who are the developers? Webs of users and developers in the development process of a technical standard. Information Systems Journal, 2010, 20, 137-161.	4.1	45
15	Making an Issue out of a Standard. Science Technology and Human Values, 2013, 38, 7-43.	1.7	44
16	Variability of Primary Production in an Antarctic Marine Ecosystem as Estimated Using a Multi-scale Sampling Strategy. American Zoologist, 2001, 41, 40-56.	0.7	33
17	Five ways consortia can catalyse open science. Nature, 2017, 543, 615-617.	13.7	26
18	Enabling long-term oceanographic research: Changing data practices, information management strategies and informatics. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 2132-2142.	0.6	24

#	ARTICLE	IF	CITATIONS
19	Data care and its politics. , 2018, , .		20
20	Towards Standardization: A Participatory Framework for Scientific Standard-Making. International Journal of Digital Curation, 2013, 8, 157-172.	0.1	20
21	Site-based data curation based on hot spring geobiology. PLoS ONE, 2017, 12, e0172090.	1.1	15
22	Articulation Work Supporting Information Infrastructure Design: Coordination, Categorization, and Assessment in Practice. , 2007, , .		14
23	Documenting provenance in noncomputational workflows: Research process models based on geobiology fieldwork in Yellowstone National Park. Journal of the Association for Information Science and Technology, 2018, 69, 1234-1245.	1.5	10
24	Disentangling knowledge production and data production. Ecosphere, 2020, 11, e03191.	1.0	8
25	Building Environmental Information Systems: Myths and Interdisciplinary Lessons. , 2007, , .		4
26	Configuring Devices for Phenomena in-the-Making. Science and Technology Studies, 0, , .	0.6	4
27	Long live the data! Embedded data management at a long-term ecological research site. Ecosphere, 2021, 12, e03493.	1.0	4
28	Specialization in data curation: Preliminary results from an alumni survey, 2008-2012. Proceedings of the American Society for Information Science and Technology, 2013, 50, 1-4.	0.2	3
29	Building a framework for site-based data curation. Proceedings of the American Society for Information Science and Technology, 2013, 50, 1-4.	0.2	2
30	Completeness, coverage & equivalence in scientific data records. Proceedings of the American Society for Information Science and Technology, 2012, 49, 1-4.	0.2	0